

ABSTRACT

Explanatory note contains 54 p., 6 fig., 5 tab., 2 ap., 15 bibl.

The project of catalytic synthesis of methanol has been developed.

Physicochemical fundamental of methanol synthesis with high pressure have been considered in the project, process flow sheet has been introduced. The choice of preparation method of the catalyst has been proved, physicochemical fundamental of selected method have been considered, catalyst production flow sheet has been represented. Material and thermal calculations have been done. Equipment of catalyst manufacture has been selected and described in the project. Possible ecological problems have been considered, ways of problems solution have been introduced.

SYNTHESIS OF METHANOL, CATALYST MIXING, SEMIWET METHOD,
DRUM DRYERS, CONVEYORS